



500.43057X00

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants: H. MATSUSHIGE, et al  
Serial No.: 10/649,687  
Filed: August 28, 2003  
For: STORAGE UNIT AND CIRCUIT FOR SHAPING  
COMMUNICATION SIGNAL  
Group: 2188  
Examiner: G. J. Portka

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR §1.97 & 1.98**

**MS Amendment**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

May 17, 2006

Sir:

In the matter of the above-identified application, applicants are submitting herewith a copy of a communication from a foreign patent office in a counterpart foreign application and copies of the documents listed in the attached form equivalent to Form PTO-1449 for the Examiner's consideration.

This information disclosure statement is being submitted before the mailing date of a first Office Action on the merits.

Each of the documents listed on the attached form equivalent to Form PTO-1449 is in the English language.

It is respectfully requested that this information disclosure statement be considered by the Examiner.

Please charge any shortage in the fees due in connection with the filing of this paper, including extension of time fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (500.43057X00) please credit any excess fees to such deposit account.

Respectfully submitted,



CIB/jdc  
(703) 684-1120

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Carl I. Brundidge  
Registration No. 29,621  
MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C.

**FORM PTO-1449** U.S. Department of  
Commerce Patent and Trademark Office

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.

**500.43057X00**

SERIAL NO.

**10/649,687**

APPLICANT

**H. MATSUSHIGE, et al**

FILING DATE

**August 28, 2003**

GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
2 0 0 1	0 0 5 2 8 0 6	12/01	Gu, et al			
2 0 0 2	0 1 2 9 1 8 2	9/02	Coffey			
2 0 0 2	0 1 3 8 6 9 2	9/02	Gerhart			

**FOREIGN PATENT DOCUMENTS**

FOREIGN-THREAT DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	ABSTRACT	
													YES	NO
		1	1	1	5	0	6	4	7/01	European				

**OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)**


EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

(Form PTO-1449 [6-4])